

# HIGH-PRESSURE FLUSH DIAPHRAGM TRANSMITTER

## STANDARD OR METRIC MODELS

**4 to 20 mA Output**  
**0-500 to 0-5000 psi-Standard Models**  
**0-40 to 0-350 bar-Metric Models**

1 bar = 14.5 psi  
 1 kg/cm<sup>2</sup> = 14.22 psi  
 1 atmosphere = 14.7 psi = 29.93 inHg = 760.2 mmHg = 1.014 bar

### PX44/PXM44 Series



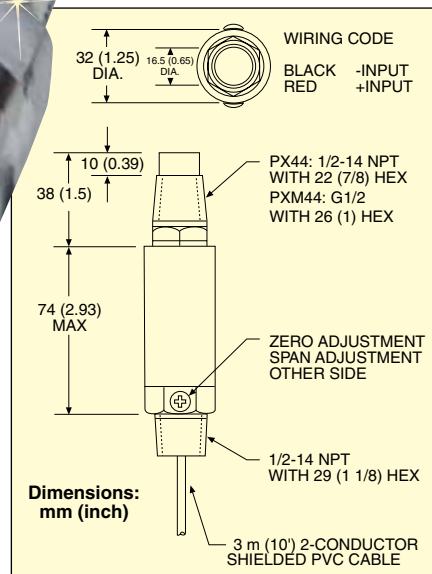
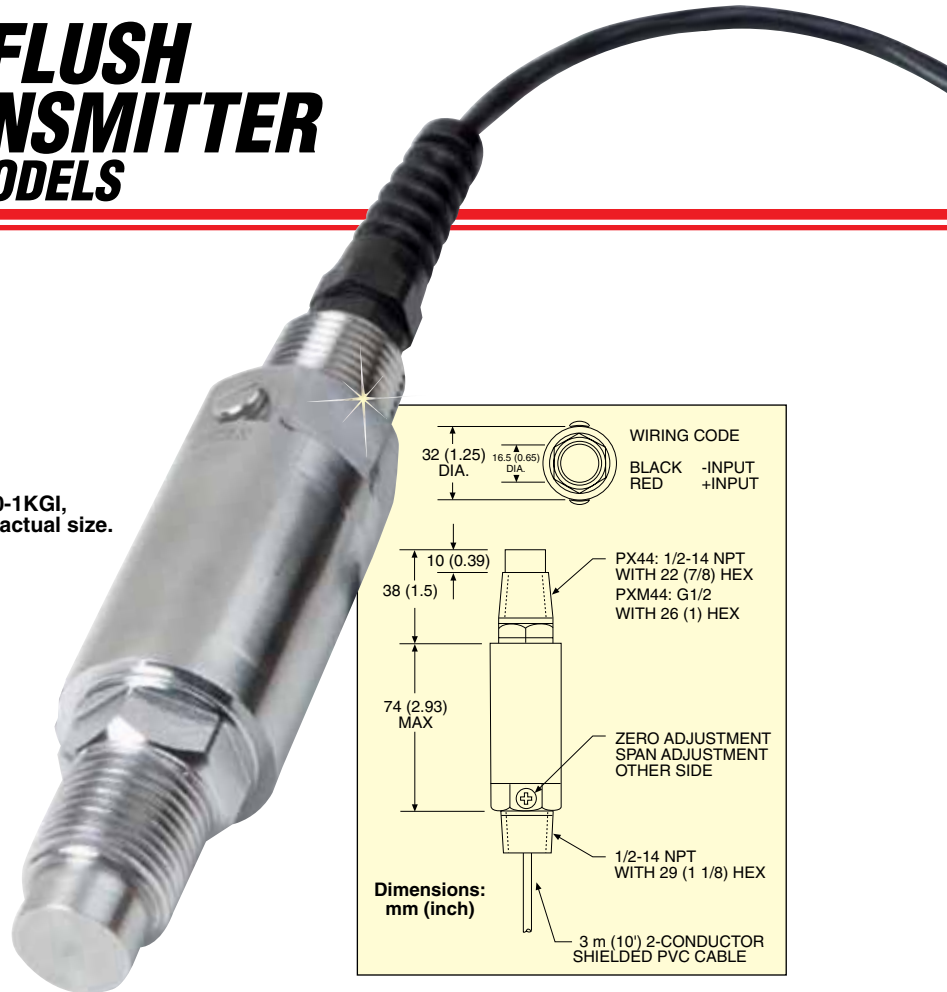
- ✓ **Stainless Steel Construction**
- ✓ **For Food Processing or Industrial Applications**
- ✓ **3 m (10') Cable with Conduit Connection for Installation in Harsh Environments**
- ✓ **4 to 20 mA Output for Noise-Free Transmission**

### SPECIFICATIONS

**Excitation:** 10 to 40 Vdc  
**Output:** 4 to 20 mA ±10% adj  
**Zero Balance:** 4 mA +10% -2% adj  
**Accuracy:** 0.5% linearity, hysteresis and repeatability combined  
**Operating Temp Range:** -46 to 121°C (-50 to 250°F)  
**Compensated Temp Range:** 16 to 71°C (60 to 160°F)  
**Thermal Effects:**  
 Span: 0.003% of rdg/°F  
 Zero: 0.0045% of FSO/°F

**Proof Pressure:** 150% of range  
**Burst Pressure:** 300% of range  
**Wetted Parts:** 17-4 PH with 316 stainless steel diaphragm  
**Pressure Port:** See dimensional drawing  
**Electrical Connection:** 3 m (10') 2-conductor shielded cable with 1/2-14 NPT fitting

PX44E0-1KGI,  
shown actual size.



To Order			
RANGE		MODEL NO.	COMPATIBLE METERS*
psi	bar		
<b>½ NPT STANDARD MODELS</b>			
0 to 300	0 to 20.7	PX44E0-300GI	DP41-E, DP25B-E, DP24-E
0 to 500	0 to 34.5	PX44E0-500GI	DP41-E, DP25B-E, DP24-E
0 to 1000	0 to 68.9	PX44E0-1KGI	DP41-E, DP25B-E, DP24-E
0 to 1500	0 to 103	PX44E0-1.5KGI	DP41-E, DP25B-E, DP24-E
0 to 2000	0 to 138	PX44E0-2KGI	DP41-E, DP25B-E, DP24-E
0 to 2500	0 to 172	PX44E0-2.5KGI	DP41-E, DP25B-E, DP24-E
0 to 3000	0 to 207	PX44E0-3KGI	DP41-E, DP25B-E, DP24-E
0 to 5000	0 to 345	PX44E0-5KGI	DP41-E, DP25B-E, DP24-E
<b>G½ METRIC MODELS</b>			
bar	psi	MODEL NO.	COMPATIBLE METERS*
0 to 40	0 to 580	PXM44ME0-040BARGI	DP41-E, DP25B-E, DP24-E
0 to 60	0 to 870	PXM44ME0-060BARGI	DP41-E, DP25B-E, DP24-E
0 to 100	0 to 1450	PXM44ME0-100BARGI	DP41-E, DP25B-E, DP24-E
0 to 160	0 to 2321	PXM44ME0-160BARGI	DP41-E, DP25B-E, DP24-E
0 to 250	0 to 3626	PXM44ME0-250BARGI	DP41-E, DP25B-E, DP24-E
0 to 350	0 to 5000	PXM44ME0-350BARGI	DP41-E, DP25B-E, DP24-E

Comes complete with 5-point NIST Traceable calibration.

\* Visit us online for compatible meters.

To order sealed gage models, replace "G" in model number with "S" (no extra charge).  
 To order absolute gage models, replace "G" in model number with "A" (no extra charge).  
 To order with DIN connector replace "E0" with "E6" (no extra charge).

**Ordering Examples:** PX44E0-1KAI, 1000 psi absolute pressure transducer with stainless steel wetted parts, 3 m (10') cable and 4 to 20 mA output.

PXM44ME0-100BARGI, 100 bar sealed gage metric pressure transducer with stainless steel wetted parts, 3 m (10') cable and 4 to 20 mA output.